

AMENDMENTS TO THE CLAIMS

The following listing of claims replaces all prior versions and listings of the claims in this application.

Okay to Enter

/BP/ 03/23/2009

1. **(Currently Amended)** A genetically modified plant cell ~~having an increased activity of at least one Class 3 branching enzyme in comparison with corresponding wild type plant cells that have not been genetically modified, wherein the genetic modification is the introduction of at least one foreign nucleic acid molecule which codes a class 3 branching enzyme into the genome of the plant, and wherein the class 3 branching enzyme has an iso amylase domain (Pfam acc.: Pf02922) and an alpha amylase domain (Pfam acc: Pf00128) which are separated from one another by at least 100 amino acids comprising:~~
 - a) a nucleic acid molecule encoding the amino acid sequence of SEQ ID NO 4;
 - b) a nucleic acid molecule encoding an amino acid sequence with an identity of at least 95% with the amino acid sequence of SEQ ID NO: 4;
 - c) a nucleic acid molecule comprising the nucleic acid sequence of SEQ ID NO: 3 or a complementary sequence thereof;
 - d) a nucleic acid molecule comprises a nucleic acid sequence with an identity of at least 95% with the nucleic acid sequences described under a) or c);
 - e) a nucleic acid molecule comprising a nucleic acid sequence which deviates from the sequence of the nucleic acid molecules identified under a), b), c), or d) due to the degeneration of the genetic code; or
 - f) fragments, allelic variants, or derivatives of the nucleic acid molecules identified under a), b), c), or d) that retain the biological activity of a nucleic acid molecule encoding the amino acid sequence of SEQ ID NO 4,
wherein said genetically modified plant cell has an increased activity of at least one Class 3 branching enzyme in comparison with corresponding wild type plant cells that have not been genetically modified.
2. **(Cancelled)**
3. **(Cancelled)**